

Dual-Feed Rear Output Circuit Breaker

Overview

Minimize the need for an additional battery distribution frame by bringing power management closer to network elements with this dual-feed high-current circuit breaker panel. A modular design provides customization, as well as enabling maintenance on single circuits while other output lines are live.

The panel's configurable design is ideal for remote locations requiring comprehensive power management capabilities on one panel. Users can configure the panel with up to 100A breakers and deploy a high-powered panel (up to 400A total) in just three rack units of space.

Convenient circuit breakers enable simple installation, replacement and power restoration.

Sides A & B of the panel are totally isolated, providing battery protection and reduced risk of complete power failure. A replaceable alarm card contains power and alarm LEDs for both feeds.

Key Benefits

Flexibility: Easy to install bullet-style breakers (1A to 100A each) and makes breaker installation and reconfiguration safe and simple.

Robust input connections: Accept secure two-hole compression lugs up to 4/0 AWG.

Large output connections: Two-hole compression lug output terminals accept up to #1 AWG to support large breaker values.

Security: Individual breaker faceplate design makes each breaker individually accessible and provides physical protection of the toggle from inadvertent tripping.

Universal voltage automatically accepts $\pm 24V$, $-48V$

Added safety: Covers are included for all input and output power connections



Fig 1: Front View



Fig 2: Rear View

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Applications

- Co-locate
- Demarc
- Secondary distribution
- Small primary distribution (premise, remote)

Specifications

Electrical	
Max. continuous input load rating	200 amps per input; Sides A & B isolated
Max. input interruption device rating	250 amps per input
Max. continuous output load rating	100 amps per circuit breaker (6 breaker positions available per side)
Standard removable alarm card	Green LEDs indicate power applied to sides A & B Red LED indicates any breaker failure Form C alarm relay contact for power alarms Form C alarm relay contact for breaker failure alarm Form C contacts rated 2A at 30 VDC, 0.6A at 60 VDC, 1A at 120 VDC
Operating temperature range	From 55°C (131°F) to -10°C (14°F)
Power dissipation (full load)	20W per side at 9600W (200 amps x 48V) per side
Operating voltages	-20 to -60 VDC, +20 to +30 VDC
Interrupt device	Airpax LEL or Carling C1 series circuit breaker with bullet terminals; from 1 to 100 amps
Humidity	Up to 95%
Mechanical	
Dimensions	19"W x 4.97"H (3RU) x 7.99"D (48.2 cm x 12.36 cm x 20.31 cm) *Panel comes with brackets in 19" configuration
Weight, without breakers	19 lbs. (8.648 kg) 22 lbs. (10 kg) shipping weight
Output lugs	2-hole compression lug, #10 stud size on .625" center hole spacing Size up to #1 AWG
Input lugs	2-hole compression lug, 5/16" stud size on 1" center hole spacing Size up to 4/0 AWG
Ground lugs	2-hole compression lug, 1/4-20 stud size on 5/8" center hole spacing Size up to #1 AWG
Mounting	19"/23", EIA/WECO hole spacing brackets provided
Compliance	
Agency Compliance	NEBS Level 3 certified
	UL listed
	CE Mark
Warranty	
Amphenol Network Solutions Power Products are covered by a comprehensive 5-year warranty	

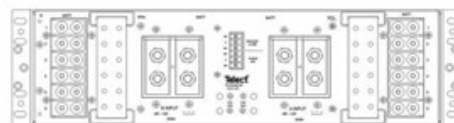
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Accessories

Part Number	Description
400223	REPLACEMENT ALARM CARD
090-0001-0002	CIRCUIT BREAKER FACEPLATE KIT (without breaker)
090-0001-0003	REPLACEMENT FACEPLATE BLANK KIT

Ordering Information

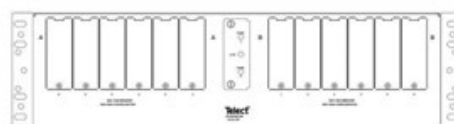
Part Number	Description
	Panels
009-6212-2100	Dual-feed rear output circuit breaker panel
	Circuit Breaker Kits (comes with 1 breaker, mounting faceplate kit)
090-0052-0001	1 amp
090-0052-0002	2 amp
090-0052-0005	5 amp
090-0052-0010	10 amp
090-0052-0020	20 amp
090-0052-0025	25 amp
090-0052-0030	30 amp
090-0052-0040	40 amp
090-0052-0050	50 amp
090-0052-0060	60 amp
090-0052-0070	70 amp
090-0052-0080	80 amp
090-0052-0090	90 amp
090-0052-0100	100 amp



REAR VIEW



TOP VIEW



FRONT VIEW

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